

THE CLAIMS

Listing of Claims:

1. - 17. (Canceled)

18. (Previously presented) A chemically modified double stranded short interfering nucleic acid molecule that mediates RNA interference, wherein:

- a) the double stranded nucleic acid comprises a sense strand and an antisense strand;
- b) each strand is independently 18 to 24 nucleotides in length;
- c) the sense strand includes a terminal cap moiety at its 5'- and 3'-ends and the antisense strand includes a terminal cap moiety at its 3'-end; and
- d) 10 or more pyrimidine nucleotides of the sense strand and antisense strand are chemically modified with 2'-deoxy, 2'-O-methyl, or 2'-deoxy-2'-fluoro nucleotides.

19. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein said double stranded nucleic acid molecule comprises no ribonucleotides.

20. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein said double stranded nucleic acid molecule comprises one or more ribonucleotides.

21. - 32. (Canceled)

33. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein one or more pyrimidine nucleotides present in the sense strand are 2'-O-methyl pyrimidine nucleotides.

34. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein one or more purine nucleotides present in the sense strand are 2'-deoxy purine nucleotides.

35. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein one or more pyrimidine nucleotides present in the sense strand are 2'-deoxy-2'-fluoro pyrimidine nucleotides.

36. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein one or more pyrimidine nucleotides present in said antisense strand are 2'-deoxy-2'-fluoro pyrimidine nucleotides.

37. (Previously presented) The double stranded nucleic acid molecule of claim 18, wherein one or more purine nucleotides present in said antisense strand are 2'-O-methyl purine nucleotides.

38. (Previously presented) A composition comprising the double stranded nucleic acid molecule of claim 18 and a pharmaceutically acceptable carrier or diluent.

39. (Previously presented) The double stranded nucleic acid molecule of claim 18, comprising 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10 phosphorothioate internucleotide linkages.

40. (Previously presented) A chemically modified double stranded short interfering nucleic acid molecule that mediates RNA interference, wherein:

- a) the double stranded nucleic acid comprises a sense strand and an antisense strand;
- b) each strand is independently 18 to 24 nucleotides in length;
- c) the sense strand includes a terminal cap moiety at its 5'- and 3'-ends and the antisense strand includes a terminal cap moiety at its 3'-end; and
- d) 10 or more pyrimidine nucleotides of the sense strand or antisense strand are chemically modified with 2'-deoxy, 2'-O-methyl, or 2'-deoxy-2'-fluoro nucleotides.

41. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein said double stranded nucleic acid molecule comprises no ribonucleotides.

42. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein said double stranded nucleic acid molecule comprises one or more ribonucleotides.

43. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein one or more pyrimidine nucleotides present in the sense strand are 2'-O-methyl pyrimidine nucleotides.

44. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein one or more purine nucleotides present in the sense strand are 2'-deoxy purine nucleotides.
45. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein one or more pyrimidine nucleotides present in the sense strand are 2'-deoxy-2'-fluoro pyrimidine nucleotides.
46. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein one or more pyrimidine nucleotides present in said antisense strand are 2'-deoxy-2'-fluoro pyrimidine nucleotides.
47. (Previously presented) The double stranded nucleic acid molecule of claim 40, wherein one or more purine nucleotides present in said antisense strand are 2'-O-methyl purine nucleotides.
48. (Previously presented) The double stranded nucleic acid molecule of claim 40, comprising 1, 2, 3, 4, 5, 6, 7, 8, 9, or 10 phosphorothioate internucleotide linkages.
49. (Previously presented) A composition comprising the double stranded nucleic acid molecule of claim 40 and a pharmaceutically acceptable carrier or diluent.